Title : Accurate junction capacitance model of the MOSFET for high-speed circuit simulator Patent Number: 10063626
Author: Andy Huang...etc.

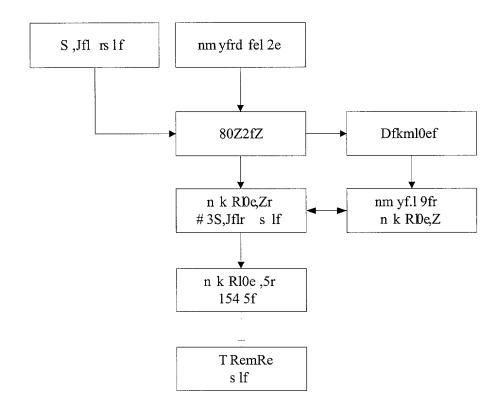


Figure 1

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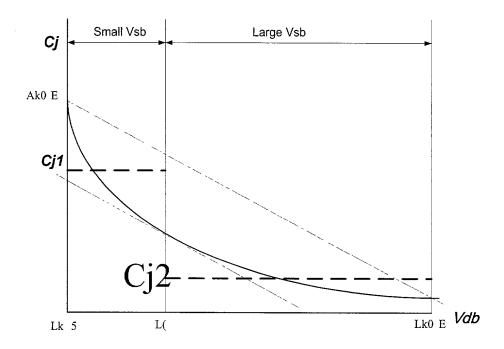


Figure 2

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$$Cj1 = \frac{v \min}{V1 - V \min} \cong \frac{vi \le v1}{\sum_{i=1}^{N} Cji}$$

$$\frac{vi \le v1}{\sum_{i=1}^{N} Cji}$$

 $\frac{v \max}{\int Cjdv} = \frac{Vi \leq V \max}{\frac{\sum Cji}{V \max - V1}} \cong \frac{Vi \leq V \max}{\frac{\sum Cji}{V \max - V1}}$, which are modeled as Cj1, Cj2.

Figure 3